SUWANNEE RIVER BASIN 1999 and 2000 Water Years

02314274 SUWANNEE RIVER AT SILL, NEAR FARGO, GA

LOCATION.—Lat 30°48'14", long 82°25'03", in Okefenokee National Wildlife Refuge and Wilderness Area, Charlton County, Hydrologic Unit 03110201, at southern control structure on Okefenokee Swamp Sill, 12.0 miles northeast of Fargo.

DRAINAGE AREA.—Indeterminate.

PERIODIC WATER-QUALITY DATA

PERIOD OF RECORD.—October 1998 to current year.

REMARKS.—None.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANA- LYZINO SAMPLH (CODE NUMBER (00028	COL G LECT E SAMP E (CO R) NUMB	- ING LE GA DE HEI ER) (FE	GE I GHT C ET) U	OLOR PLAT- NUM- OBALT NITS) 0080)	RESI TOTA AT 1 DEG. SUS PEND (MG	L 05 C, - ED /L)	SAM- PLING METHOI CODES (82398	G DI D, SOL S (MG	DUE ME 80 PR . C S S- (VED	RO- TRIC ES- TURE MM OF (G)	OXYG DI SOL (MG (003	EN, S- VED /L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB 10	1745	81213	3 102	8 113	.77	320	<1		70	9	6 7	64	3.	3	36
APR 20	1005	81213	3 102	8 112	.31	320	2		50	11	1 7	59	4.	4	47
JUN 16	1350	81213	3 102	8			-	-	70	-	- 7	58	6.	4	87
AUG 04	1212	81213	3 102	8 112	.49	480	<1		70	13	5 7	60	1.	4	18
FEB 10 APR 20 JUN 16 AUG 04	WAMERIA (ST. A. UN)		SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095) 70 78 78	TEMPER-ATURE WATER (DEG C) (00010) 19.0 18.3 31.3 28.8	HARD-NESS TOTAL (MG/L AS CACO3 (00900	CAI Di S((1	LCIUM IS- DLVED MG/L S CA) 0915) .60 .70	DI SOL (MG AS (009	UM, S- VED /L MG) 25)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935) <.1 <.1	SODIUM AD- SORP- TION RATIO (00931) .7 .8 .8	SOD DI SOL (M AS (00	IUM, S- VED G/L NA) 930) .0 .4	AN UNFL TIT LA (MG AS CAC (904	TRD 4.5 BB 4.7 L 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
DATE	RI DI SC (M AS	HLO- IDE, IS- DLVED MG/L IS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFAT DIS- SOLVE (MG/I AS SO4	GEI E MOI ORG D TG	ITRO- N,AM- NIA + GANIC OTAL MG/L S N)	NIT GE AMMO TOT (MG AS	N, NIA A AL /L N) A	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	G NIT TO (M AS	TRO- EN, RITE TAL G/L N) 615)		'AL }/L N)
FEB 10	5	5.3	<.1	5.3	.2		.85	<.	01		<.020	<	.01	_	_
APR 20		5.6	<.1	4.1	<.2		.92		01	.01	<.020		.01		91
JUN 16								-	-					-	-
AUG 04	5	5.6	<.1	7.1	.3	-	1.5		02	.03	<.020	<	.01	1.	5

SUWANNEE RIVER BASIN 1999 and 2000 Water Years

02314274 SUWANNEE RIVER AT SILL, NEAR FARGO, GA--continued

	DATE	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC- ULATE TOTAL (MG/L AS C) (00689)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	
F	EB	.061	.020	.030	41	.3	<1.0	<1	<1	<1	<1.0	
A	APR 20	.061	.020	<.020			<1.0	<1	<1	<1	<1.0	
J	UN 16				44	2.6						
A	UG 04	.061	.020	.020			<1.0	<1	<1	<1	<1.0	
	DATE	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	
	ЪВ 10	<1.0	<5	<1	<1	<1	320	<1	<1	<.1	<.1	
	1PR 20	<1.0	<5	<1	1	1	480	<1	<1	<.1	<.1	
	UN 16											
A	NUG 04	<1.0	<5	7	<1	<1	880	<1	<1	<.1	<.1	
	DATE	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	TANNIN AND LIGNIN (MG/L) (32240)	SAMPLER TYPE (CODE) (84164)	
	EB 10	<1	<1	<1.0	<1	5.0	<1	5	5		3060	
	1PR 20	<1	<1	<1.0	<1	6.0	<1	14	7	11	3060	
	UN 16									9.8	3070	
A	NUG 04	<1	4	<1.0	<1	8.0	<1	6	6	14	3060	
		W	ATER-QUAL	ITY DATA,	WATER YE	CAR OCTOBE	R 1999 TC	SEPTEMBE	R 2000 BARO-		OXYGEN,	PH
DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	GAGE HEIGHT (FEET) (00065)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	SAM- PLING METHOD, CODES (82398)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
		, ,										
FEB 23	1300	81213	1028	112.50	240	2	70	79	765	6.1	60	3.2
	1300 1423		1028 1028	112.50 109.22	240 280	2 9	70 30	79 84	765 757	6.1	60 40	3.2 3.5

SUWANNEE RIVER BASIN 1999 and 2000 Water Years

02314274 SUWANNEE RIVER AT SILL, NEAR FARGO, GA—continued

DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
FEB 23	78	14.8	4	.60	.50	<.1	.8	3.6		<1	6.7	<.1
JUN 20	78	26.8	4	.80	.60	.3	.8	4.1	65	<1	7.3	<.1
SEP 13	83	26.7	4	.60	.50	<.1	.8	3.3		<1	5.2	<.1
DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS-PHORUSORTHOTTAL(MG/LASP)(70507)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)
FEB 23	6.6	.5	.78	.04	.05	<.020	<.01	.74		E.020	<.020	<1.0
JUN 20	3.5	1.1	1.2	.02	.03	<.020	<.01	1.2		E.010	.040	<1.0
SEP 13	7.7	. 4	1.2	.02	.03	<.020	<.01	1.2	.061	.020	.020	<1.0
DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR) (01032)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
DATE FEB 23 JUN	TOTAL (UG/L AS AS)	LIUM, DIS- SOLVED (UG/L AS BE)	LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	DIS- SOLVED (UG/L AS CD)	WATER UNFLTRD TOTAL (UG/L AS CD)	MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	DIS- SOLVED (UG/L AS CU)	TOTAL RECOV- ERABLE (UG/L AS CU)	DIS- SOLVED (UG/L AS FE)	DIS- SOLVED (UG/L AS PB)	TOTAL RECOV- ERABLE (UG/L AS PB)
FEB 23 JUN 20	TOTAL (UG/L AS AS) (01002)	LIUM, DIS- SOLVED (UG/L AS BE) (01010)	LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	DIS- SOLVED (UG/L AS CD) (01025)	WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	MIUM, HEXA- VALENT, DIS. (UG/L AS CR) (01032)	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	DIS- SOLVED (UG/L AS CU) (01040)	TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	DIS- SOLVED (UG/L AS FE) (01046)	DIS- SOLVED (UG/L AS PB) (01049)	TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
FEB 23 JUN	TOTAL (UG/L AS AS) (01002)	LIUM, DIS- SOLVED (UG/L AS BE) (01010)	LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	DIS- SOLVED (UG/L AS CD) (01025)	WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	MIUM, HEXA- VALENT, DIS. (UG/L AS CR) (01032)	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	DIS- SOLVED (UG/L AS CU) (01040)	TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	DIS- SOLVED (UG/L AS FE) (01046)	DIS- SOLVED (UG/L AS PB) (01049)	TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
FEB 23 JUN 20 SEP	TOTAL (UG/L AS AS) (01002) <1 <1	LIUM, DIS- SOLVED (UG/L AS BE) (01010)	LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	DIS- SOLVED (UG/L AS CD) (01025) <1.0 <1.0	WATER UNFLTRD TOTAL (UG/L AS CD) (01027) <1.0 <1.0	MIUM, HEXA- VALENT, DIS. (UG/L AS CR) (01032)	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	DIS- SOLVED (UG/L AS CU) (01040)	TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	DIS- SOLVED (UG/L AS FE) (01046)	DIS- SOLVED (UG/L AS PB) (01049)	TOTAL RECOV- ERABLE (UG/L AS PB) (01051) <1 <1
FEB 23 JUN 20 SEP 13 DATE	TOTAL (UG/L AS AS) (01002) <1 <1 <1 <1 MERCURY DIS-SOLVED (UG/L AS HG) (71890)	LIUM, DIS- SOLVED (UG/L AS BE) (01010) <1 <1 <1 <1 MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012) <1 <1 <1 NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	DIS- SOLVED (UG/L AS CD) (01025) <1.0 <1.0 <1.0 NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	WATER UNFLTRD TOTAL (UG/L AS CD) (01027) <1.0 <1.0 <1.0 SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	MIUM, HEXA- VALENT, DIS. (UG/L AS CR) (01032) <5 <5 <5 SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034) <1 22 1 STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	DIS- SOLVED (UG/L AS CU) (01040) <1 <1 <1 <1 VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	TOTAL RECOV- ERABLE (UG/L AS CU) (01042) <1 2 <1 ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	DIS-SOLVED (UG/L AS FE) (01046) 290 480 610 ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	DIS- SOLVED (UG/L AS PB) (01049) <1 <1 <1 <1 TANNIN AND LIGNIN (MG/L) (32240)	TOTAL RECOV- ERABLE (UG/L AS PB) (01051) <1 <1 <1 <1 SAMPLER TYPE (CODE) (84164)
FEB 23 JUN 20 SEP 13 DATE	TOTAL (UG/L AS AS) (01002) <1	LIUM, DIS- SOLVED (UG/L AS BE) (01010) <1 <1 <1 <1 MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012) <1 <1 <1 NICKEL, DIS- SOLVED (UG/L AS NI) (01065) <1	DIS- SOLVED (UG/L AS CD) (01025) <1.0 <1.0 <1.0 NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	WATER UNFLTRD TOTAL (UG/L AS CD) (01027) <1.0 <1.0 <1.0 SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145) <1.0	MIUM, HEXA- VALENT, DIS. (UG/L AS CR) (01032) <5 <5 <5 SELE- NIUM, TOTAL (UG/L AS SE) (01147) <1	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034) <1 22 1 STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	DIS- SOLVED (UG/L AS CU) (01040) <1 <1 <1 VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	TOTAL RECOV- ERABLE (UG/L AS CU) (01042) <1 2 <1 ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	DIS- SOLVED (UG/L AS FE) (01046) 290 480 610 ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	DIS- SOLVED (UG/L AS PB) (01049) <1 <1 <1 <1 (1 (1) (3240) 9.6	TOTAL RECOV- ERABLE (UG/L AS PB) (01051) <1 <1 <1 <1 SAMPLER TYPE (CODE) (84164) 3070
FEB 23 JUN 20 SEP 13 DATE	TOTAL (UG/L AS AS) (01002) <1 <1 <1 <1 MERCURY DIS-SOLVED (UG/L AS HG) (71890)	LIUM, DIS- SOLVED (UG/L AS BE) (01010) <1 <1 <1 <1 MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012) <1 <1 <1 NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	DIS- SOLVED (UG/L AS CD) (01025) <1.0 <1.0 <1.0 NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	WATER UNFLTRD TOTAL (UG/L AS CD) (01027) <1.0 <1.0 <1.0 SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	MIUM, HEXA- VALENT, DIS. (UG/L AS CR) (01032) <5 <5 <5 SELE- NIUM, TOTAL (UG/L AS SE) (01147)	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034) <1 22 1 STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	DIS- SOLVED (UG/L AS CU) (01040) <1 <1 <1 <1 VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	TOTAL RECOV- ERABLE (UG/L AS CU) (01042) <1 2 <1 ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	DIS-SOLVED (UG/L AS FE) (01046) 290 480 610 ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	DIS- SOLVED (UG/L AS PB) (01049) <1 <1 <1 <1 TANNIN AND LIGNIN (MG/L) (32240)	TOTAL RECOV- ERABLE (UG/L AS PB) (01051) <1 <1 <1 <1 SAMPLER TYPE (CODE) (84164)